

## EAST Search History

## **EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	454456	styrene or methylstyrene or vinyltoluene or chlorostyrene	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/10 14:35
L2	71655	(\$4bead or \$4particle or \$4sphere) with (cellular or foam\$ or porous)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/10 14:35
L3	11553	L1 and L2	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/10 14:35
L4	900318	polyethylen\$ or ethylene	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/10 14:35
L5	7320	L1 and L2 and L4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/10 14:35
L6	1095	L1 with polymeriz\$4 and L2 and L4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/10 14:36
L7	26429	((polyethylen\$ or ethylene) with (linear and density)) or lldpe	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/10 14:36
L8	113	L1 with polymeriz\$4 and L2 and L7	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/10 14:36
L9	532917	\$4propane or \$4butane or \$pentane or \$4hexane	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/10 14:36
L10	88	L8 and L9	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/10 14:36
L11	296	521/59.icls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/10 14:36

L12	519	521/60.icls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/10 14:36
L13	516	521/139.icls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/10 14:36
L14	429	521/142.icls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/10 14:36
L15	11553	(\$4bead or \$4particle or \$4sphere) with (cellular or foam\$ or porous) AND (styrene or methylstyrene or vinyltoluene or chlorostyrene)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/10 14:37
L16	661	(\$4bead or \$4particle or \$4sphere) with (cellular or foam\$ or porous) AND (styrene or methylstyrene or vinyltoluene or chlorostyrene) AND (((polyethylenes or ethylene) with (linear and density)) or lldpe)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/10 14:37
S1	5	"541391".ap.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/30 10:49
S2	2	non-crosslinked ldpe	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/29 17:03
S3	5	"541391".ap.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/30 11:42
S4	10686	(((ethylene or polyethylene) with linear) with density) and (styrene or polystyrene)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/30 11:44
S5	229	(((ethylene or polyethylene) with linear) with density) with (beads or foam)) and (styrene or polystyrene)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/30 13:27
S6	0	(hid matsumura).in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/30 11:47

S7	0	(matsumura hid).in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/30 11:47
S8	0	(hidesayu matsumura).in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/30 11:47
S9	0	(hideyasu matsumura).in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/30 11:48
S10	26001	(matsumura).in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/30 11:48
S11	15	(matsumura hideyasu).in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/27 09:54
S12	47	tsutsui yasutaka.in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/27 09:50
S13	229	(((ethylene or polyethylene) with linear) with density) with (bead or foam)) and (styrene or polystyrene)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/30 13:27
S14	0	((ethylene) with foam) and (impreg same styrene)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/30 15:03
S15	0	((ethylene) with foam) and (impreg with styrene)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/30 15:03
S16	0	((ethylene) with beads) and (impreg with styrene)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/30 15:03
S17	0	((ethylene) with bead) and (impreg with styrene)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/30 15:04
S18	0	((ethylene) with bead) and (modif with styrene)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/30 15:05

S19	0	((ethylene) with expandable) and (modif with styrene)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/30 15:05
S20	0	((ethylene) with expandable) and (modify with styrene)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/30 16:05
S21	302	((ethylene) with expandable) and styrene	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/30 16:06
S22	11	((ethylene near4 beads) with expandable) and styrene	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/01/15 09:08
S23	0	(beads with expandable) and (styrene with impregn)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/30 16:08
S24	83	(beads with expandable) and (styrene with impregnating)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/30 16:08
S25	15	(beads with expandable) and (styrene with impregnat?)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/30 16:08
S26	0	(beads with expandable) and (styrene with impregnat!)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/30 16:08
S27	895	beads with (ethylene and resin)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 08:53
S28	367	beads with (ethylene and resin) and styrene	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 09:22
S29	143	expandable with (ethylene and resin) and styrene	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 10:18
S30	23	"1284536"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 10:20
S31	2	"62059642"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 10:23

S32	6	"5276372"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 10:23
S33	11	"276372"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 10:23
S34	6	"5276372"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 10:24
S35	43	"76372"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 10:24
S36	1	"52-76372"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 10:26
S37	417	japan styrene paper.as.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 10:26
S38	132	japan styrene paper.as. and ethylene	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 10:27
S39	6	"5276372"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 10:31
S40	1	"50127965"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 10:31
S41	0	"50-127965"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 10:31
S42	38	"127965"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 11:20
S43	0	1977-76372	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 11:21
S44	0	fr-19752264841-\$ did	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 11:30

S45	0	fr-1975264841-\$.did	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 11:30
S46	7	"2264841"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 11:32
S47	8	"2413321"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 11:35
S48	14	(impregnate near4 styrene) with polyethylene	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 11:42
S49	63562	(lldpe or (ethylene or polyethylene with density and linear)) and bead	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 11:44
S50	2325	(lldpe or (ethylene or polyethylene with density and linear)) and bead and expandable	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 11:45
S51	19	(lldpe or (ethylene or polyethylene with density and linear)) and bead and expandable and (styrene near4 (impregnate or impregnating))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/01/15 09:09
S52	28	((ethylene or polyethylene or ldpe or lldpe or (ethylene-hexene copolymer) or (ethylene olefin copolymer)) near4 expand\$) AND (styrene near4 (saturat\$ or impreg\$ or infus\$ or fill\$))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/01/15 09:11
S53	42136	(polyethylene or ethylene) and (styrene or polystyrene) and graft\$ and (bead\$ or (core near3 shell) or powder or particle)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 14:32
S54	28582	((polyethylene or ethylene) same (styrene or polystyrene) and graft\$ and (bead\$ or (core near3 shell) or powder or particle)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 14:33

S55	2171	((polyethylene or ethylene) same (styrene or polystyrene)) same graft\$ same (bead\$ or (core near3 shell) or powder or particle)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 14:33
S56	26730	"521"/\$.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 14:34
S57	73	S55 and S56	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 14:38
S58	2	"52076372".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 14:48
S59	1	"50127965".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 14:49
S60	0	"500127965".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 14:49
S61	0	"50127965".ap.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 14:49
S62	7	"127965".ap.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 14:49
S63	3	"127965".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 14:50
S64	1	"50127965".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 14:51
S65	3	"127965".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 14:52
S66	5	"2413321".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 14:53

S67	5	"2264841".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 14:53
S68	4	"264841".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 14:54
S69	0	"2264841".ap.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 14:54
S70	2	"62059642".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 14:57
S71	0	"51046138".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 14:57
S72	0	"51046138".ap.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 14:57
S73	0	"51046138"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 14:58
S74	6	"5146138"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 14:58
S75	4	"2668384".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 14:59
S76	1	"50127965".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 15:02
S77	18	("3336268"   "3530108"   "3644230"   "4076698"   "4214054"   "4311628"   "4323528"   "5703187"   "5817705"   "5869591"   "5977271"   "6054544"   "6124370").PN. OR ("6583188").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/31 16:33
S78	261	nippon styrene paper.as.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 16:45

S79	91	nippon styrene paper.as. and polyethylene	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 16:45
S80	0	kuwabara hidelei.in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 16:46
S81	0	"kuwabarain."	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 16:46
S82	0	"kuwabara.in."	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 16:46
S83	642	impregnating polymers	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 17:33
S84	410	impregnating polymers and temperature	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 17:33
S85	93	impregnating polymers same temperature	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 17:34
S86	0	(impregnating polymer near4 ethylene) same temperature	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/05/31 17:36
S87	2	(impregnating polymer with ethylene) same temperature	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/01/15 09:12
S88	1	SEKISUI PLASTICKS.AS.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/04 08:16
S89	5963	SEKISUI PLASTICS.AS.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/04 08:17
S90	442	SEKISUI PLASTICS.AS. and (lldpe or ldpe or polyethylene)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/04 08:17
S91	2	"4657937" .pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/04 09:38

S92	747	((particle or bead) near4 polyethylene) same styrene	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/04 13:21
S93	0	((particle or bead) near4 polyethylene) same (styrene) and (polymeriz\$ near (melting temperature or melting point))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/04 13:24
S94	13	((particle or bead) near4 polyethylene) same (styrene) and (polymeriz\$ with (melting temperature or melting point))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/04 13:26
S95	2	((particle or bead) near4 polyethylene) same (styrene with graft polymerization)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/04 13:26
S96	20	((particle or bead) near4 polyethylene) and (styrene with graft polymerization)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/04 13:58
S97	12605	(lldpe or (linear (low density or low-density) polyethylene) near4 (styrene))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/27 09:55
S98	12539	(lldpe or (linear (low density or low-density) polyethylene) near4 (styrene) near4 (impreg\$))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/27 09:56
S99	12539	(lldpe or (linear (low density or low-density) polyethylene) near4 (styrene) near4 (impregnat\$))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/27 09:57
S100	225	(lldpe or (linear (low density or low-density) polyethylene) near4 (styrene) near4 (impregnat\$)) and "521"/\$.icls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/27 10:04
S101	12539	(lldpe or (linear (low density or low-density) polyethylene) near4 (styrene) near4 (impregnating or impregnate or impregnated))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/27 10:05

S102	9108	(lldpe or (linear (low density or low-density) polyethylene) near4 (styrene) near4 (impregnating or impregnate or impregnated)) and (resin or beads or foam)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/27 10:05
S103	4707	(lldpe or (linear (low density or low-density) polyethylene) near4 (styrene) near4 (impregnating or impregnate or impregnated)) and (resin or beads or foam) and polymerization	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/27 10:05
S104	2685	(lldpe or (linear (low density or low-density) polyethylene) near4 (styrene) near4 (impregnating or impregnate or impregnated)) and (resin or beads or foam) and (polymerization same (temperature or initiator))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/27 10:07
S105	2685	(lldpe or (linear (low density or low-density) polyethylene) near4 (styrene monomer) near4 (impregnating or impregnate or impregnated)) and (resin or beads or foam) and (polymerization same (temperature or initiator))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/27 10:08
S106	4	(lldpe or (linear (low density or low-density) polyethylene) near4 (styrene) near4 (impregnating or impregnate or impregnated)) and (resin bead) and (polymerization same (temperature or initiator))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/27 10:07

S107	2686	(lldpe or (linear (low density or low-density) polyethylene or olefin) near4 (styrene monomer) near4 (impregnating or impregnate or impregnated) and (resin or beads or foam) and (polymerization same (temperature or initiator))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/27 10:15
S108	2401	(lldpe or (linear (low density or low-density) polyethylene or olefin) near4 (styrene monomer) near4 (impregnating or impregnate or impregnated) and (resin or beads or foam) and (polymerization same (temperature))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/27 10:15
S109	969	(lldpe or (linear (low density or low-density) polyethylene or olefin) near4 (styrene monomer) near4 (impregnating or impregnate or impregnated) and (resin or beads or foam) and (polymerization near2 (temperature))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/27 10:15
S110	752	(lldpe or (linear (low density or low-density) polyethylene or olefin) near4 (styrene monomer) near4 (impregnating or impregnate or impregnated) and (resin or beads or foam) and (polymerization temperature)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/27 10:19
S111	90	(lldpe or (linear (low density or low-density) polyethylene or olefin) near4 (styrene monomer) near4 (impregnating or impregnate or impregnated) and (resin or beads or foam) and (polymerization temperature) and polymerization initiator	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/27 10:16
S112	17328	polyethylene near5 styrene	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/27 10:20

S113	810	S112 and (temperature near2 polymerization)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/27 10:21
S114	82	S113 and blowing agent	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/27 10:23
S115	0	("2002/0072547").URPN.	USPAT	ADJ	ON	2007/06/27 10:42
S116	0	beads with (lldpe and styrene)	USPAT	ADJ	ON	2007/06/27 10:42
S117	418	beads with (polyethylene and styrene)	USPAT	ADJ	ON	2007/06/27 10:52
S118	1	"4168353".pn.	USPAT	ADJ	ON	2007/06/27 11:35
S119	51	("4168353").URPN.	USPAT	ADJ	ON	2007/06/27 11:00
S120	59	esi and polymerization temperature	USPAT	ADJ	ON	2007/06/27 11:26
S121	25258	polyethylene and (styrene with fill or void)	USPAT	ADJ	ON	2007/06/27 11:26
S122	25222	polyethylene and (styrene monomer near2 fill or void)	USPAT	ADJ	ON	2007/06/27 11:26
S123	523	polyethylene and (styrene monomer near2 fill or void) and polymerization temperature	USPAT	ADJ	ON	2008/01/15 09:13
S124	1	polyethylene and (styrene monomer near2 (fill or void or impregnate)) and polymerization temperature	USPAT	ADJ	ON	2007/06/27 11:29
S125	13	polyethylene near2 polystyrene near2 interpolymer beads	USPAT	ADJ	ON	2007/06/27 11:38
S126	13	polyethylene polystyrene interpolymer beads	USPAT	ADJ	ON	2007/06/27 11:42
S127	2	non crosslinked lldpe	USPAT	ADJ	ON	2007/06/27 11:45
S128	2	non-crosslinked lldpe	USPAT	ADJ	ON	2007/06/27 11:45
S129	4	noncrosslinked lldpe	USPAT	ADJ	ON	2007/06/27 11:45
S130	3	uncrosslinked lldpe	USPAT	ADJ	ON	2007/06/27 11:45
S131	51	("4168353").URPN.	USPAT	ADJ	ON	2007/06/27 14:39

S132	1	(impregnation or impregnate or impregnating) same ((two or multiple) polymerization)	USPAT	ADJ	ON	2007/06/27 14:40
S133	2804	(impregnation or impregnate or impregnating) same (polymerization)	USPAT	ADJ	ON	2007/06/27 14:40
S134	1208	(impregnation or impregnate or impregnating) same (polymerization) and styrene	USPAT	ADJ	ON	2007/06/27 14:41
S135	5	(impregnation or impregnate or impregnating) same (second polymerization) and styrene	USPAT	ADJ	ON	2007/06/27 14:41
S136	12538	lldpe or linear low-denisty polyethylene with styrene	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/27 17:29
S137	99	S136 and first polymerization and second polymerization	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/27 17:44
S138	4	S136 and (double or multiple) polymerization	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/27 17:45
S139	5701	S136 and polymerization	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/27 17:45
S140	962	S136 and polymerization and blowing agent	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/27 17:45
S141	13	"652476"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/28 15:40
S142	4	"4518742"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/28 16:10
S143	122	step-wise near4 polymerization	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/28 16:11

S144	81	S143 and styrene	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/28 16:11
S145	81	S144 and temperature	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/28 16:11
S146	22	step-wise near4 polymerization same styrene	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/28 16:13
S147	55	(step-wise or stepwise or step wise) near4 polymerization same styrene	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/28 16:14
S148	8	(step-wise or stepwise or step wise) near4 polymerization same styrene same temperature	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/28 16:52
S149	5	"5908272"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/07/02 12:50
S150	0	"5908272.pn."	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/28 16:53
S151	0	"908272.pn."	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/28 16:53
S152	11	"908272"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/28 16:53
S153	0	"gluck.in.",	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/28 16:54
S154	686	gluck.in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/28 16:56
S155	32	gluck.in. and styrene	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/28 16:54
S156	10	"5266603"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/06/28 16:56

S157	154	average bead size	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/07/02 14:17
S158	7456	senda.in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/07/02 14:23
S159	122	senda.in. and polyethylene	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/07/02 14:34
S160	2	"4168353".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/07/02 14:36
S161	743	beads with polyethylene same (spherical or cylindrical or shape)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/07/02 14:45
S162	0	beads with linear polyethylene same (spherical or cylindrical or shape)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/07/02 14:38
S163	228	beads with polyethylene same (spherical or cylindrical or shape) and styrene	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/07/02 14:43
S164	2	"10170725"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/07/02 14:43
S165	24	"170725"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/07/02 14:43
S166	0	expandable near4 beads with polyethylene same (spherical or cylindrical or shape)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/07/02 14:46
S167	7	expandable near4 beads with polyethylene same (spherical or cylindrical or shape)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/07/02 14:46
S168	7	expandable near4 bead with polyethylene same (spherical or cylindrical or shape)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/07/02 14:47
S169	193	expandable near4 bead with (spherical or cylindrical or shape)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/07/02 14:47

S170	334	expandable near4 (bead or particle) with (spherical or cylindrical or shape)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/07/02 14:55
S171	115	expandable near4 (bead or particle) with (spherical or cylindrical or shape) and ethylene	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/07/02 14:57
S172	107	expandable near4 (bead or particle) with (spherical or cylindrical or shape) and polyethylene	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/07/02 15:14
S173	81	expandable near4 (bead or particle) with (spherical or cylindrical or shape) and polyethylene and mold	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/07/02 15:24
S174	432	mold near4 (bead or particle) with (spherical or cylindrical or shape) and polyethylene	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/07/02 15:25
S175	35	mold near4 (bead or particle) with (spherical or cylindrical or shape) same polyethylene	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/07/02 17:54
S176	447	(pre-expanded or pre expanded) near4 resin	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/07/02 17:54
S177	49	(pre-expanded or pre expanded) near4 resin with polyethylene	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/07/02 17:59
S178	40	S177 and density	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/07/02 17:55
S179	14	S178 and styrene	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/07/02 17:55
S180	7	(pre-expand or pre expand) near4 resin with polyethylene	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/07/02 18:02
S181	119	(pre-expand or pre expand or bulk density) with resin with polyethylene	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/07/02 18:03
S182	26	(pre-expand or pre expand or bulk density) with resin with polyethylene and styrene	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/07/02 18:03

S183	22	(bulk density) with resin with polyethylene and styrene	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/07/02 18:05
S184	2	pre-expand same resin beads	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/07/02 18:06
S185	93	(pre-expand or pre expand or pre-expanded or pre-expanding) same resin beads	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/07/03 09:55
S186	2	"3129464".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/07/03 09:54
S187	2	"3963816".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/07/03 09:55
S188	5	("3963816").URPN.	USPAT	ADJ	ON	2007/07/03 15:15
S189	349	521/142.ccls.	USPAT	ADJ	ON	2007/07/03 14:52
S190	8390	takamasa.in.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/07/03 15:10
S191	1	("3963816").pn.	USPAT	ADJ	ON	2007/07/03 15:15
S192	2	"4368218".pn.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/07/03 15:15
S193	5	"541391".ap.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/07/03 15:35
S194	9	"082973"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/07/03 15:36
S195	1	"10540866"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/07/11 13:25
S196	11	((ethylene near4 beads) with expandable) and styrene	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/01/15 09:08

S197	21	(Ildpe or (ethylene or polyethylene with density and linear)) and bead and expandable and (styrene near4 (impregnate or impregnating))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/01/15 09:09
S198	31	((ethylene or polyethylene or Idpe or Ildpe or (ethylene-hexene copolymer) or (ethylene olefin copolymer)) near4 expand\$) AND (styrene near4 (saturat\$ or impreg\$ or infus\$ or fill\$))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/01/15 09:11
S199	2	(impregnating polymer with ethylene) same temperature	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/01/15 09:12
S200	539	polyethylene and (styrene monomer near2 fill or void) and polymerization temperature	USPAT	ADJ	ON	2008/01/15 09:14
S201	285	521/142.icls.	USPAT	ADJ	ON	2008/01/15 09:14
S202	655	521/56.icls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/01/29 20:24
S203	448347	styrene or methylstyrene or vinyltoluene or chlorostyrene	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/01/29 20:30
S204	70594	(\$4bead or \$4particle or \$4sphere) with (cellular or foam\$ or porous)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/01/29 20:31
S205	11324	S203 and S204	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/01/29 20:32
S206	888030	polyethylen or ethylene	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/01/29 20:32
S207	7149	S203 and S204 and S206	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/01/29 20:32
S208	1075	S203 with polymeriz\$4 and S204 and S206	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/01/29 20:33

S209	26029	((polyethylen or ethylene) with (linear and density)) or lldpe	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/01/29 20:34
S210	107	S203 with polymeriz\$4 and S204 and S209	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/01/29 20:34
S211	525103	\$4propane or \$4butane or \$pentane or \$4hexane	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/01/29 20:54
S212	83	S210 and S211	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/01/29 20:54
S213	294	521/59.icls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/01/29 20:55
S214	515	521/60.icls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/01/29 20:55
S215	511	521/139.icls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/01/29 20:55
S216	422	521/142.icls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/01/29 20:56
S217	11324	(\$4bead or \$4particle or \$4sphere) with (cellular or foam\$ or porous) AND (styrene or methylstyrene or vinyltoluene or chlorostyrene)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/01/29 21:10
S218	645	(\$4bead or \$4particle or \$4sphere) with (cellular or foam\$ or porous) AND (styrene or methylstyrene or vinyltoluene or chlorostyrene) AND (((polyethylen or ethylene) with (linear and density)) or lldpe)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/01/29 21:11
S229	6	"541391".ap.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2010/04/09 15:40

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L18	12	matsumura hideyasu.in. or tsutsui yasutaka.in.	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/04/10 14:37
L19	41	((expand\$ or foam\$) with bead and polyethylene with styrene).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/04/10 14:40
L20	663	521/56.icls.	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/04/10 14:40
L21	519	521/60.icls.	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/04/10 14:40
L22	516	521/139.icls.	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/04/10 14:40
L23	430	521/142.icls.	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/04/10 14:40
L24	3	I19 and I20	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/04/10 14:40
L25	6	I19 and I21	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/04/10 14:40
L26	0	I19 and "I222"	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/04/10 14:40
L27	4	I19 and I22	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/04/10 14:40
L28	5	I19 and I23	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/04/10 14:40
S219	17	((expand\$ or foam\$) with bead and polyethylene with styrene).clm.	USPAT; UPAD	ADJ	ON	2010/01/29 20:14
S220	40	((expand\$ or foam\$) with bead and polyethylene with styrene).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/01/29 20:14
S221	657	521/56.icls.	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/01/29 20:24
S222	128	((I4" or "I15" or "I16" or "I17" or "I18") and "I5" and "I6" and "I8").clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/01/29 20:57

S223	0	(("I4" or "I15" or "I16" or "I17" or "I18") and "I5" and "I6" and "I8" and polymeriz \$4 with temperature).clm.	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/01/29 20:57
S224	0	((\$4bead or \$4particle or \$4sphere) with (cellular or foam\$ or porous) AND (styrene or methylstyrene or vinyltoluene or chlorostyrene) AND (((polyethylen or ethylene) with (linear and density)) or lldpe)).CLM. AND 521/56.ILCS	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/01/29 21:12
S225	0	((\$4bead or \$4particle or \$4sphere) with (cellular or foam\$ or porous) AND (styrene or methylstyrene or vinyltoluene or chlorostyrene) AND (((polyethylen or ethylene) with (linear and density)) or lldpe)).CLM. AND 521/59.ILCS	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/01/29 21:12
S226	0	((\$4bead or \$4particle or \$4sphere) with (cellular or foam\$ or porous) AND (styrene or methylstyrene or vinyltoluene or chlorostyrene) AND (((polyethylen or ethylene) with (linear and density)) or lldpe)).CLM. AND 521/60.ILCS	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/01/29 21:12
S227	0	((\$4bead or \$4particle or \$4sphere) with (cellular or foam\$ or porous) AND (styrene or methylstyrene or vinyltoluene or chlorostyrene) AND (((polyethylen or ethylene) with (linear and density)) or lldpe)).CLM. AND 521/139.ILCS	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/01/29 21:12
S228	0	((\$4bead or \$4particle or \$4sphere) with (cellular or foam\$ or porous) AND (styrene or methylstyrene or vinyltoluene or chlorostyrene) AND (((polyethylen or ethylene) with (linear and density)) or lldpe)).CLM. AND 521/142.ILCS	US-PGPUB; USPAT; UPAD	ADJ	ON	2010/01/29 21:12

4/10/2010 2:41:10 PM

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